

Date of deposit: October 19, 2004

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Joy Day

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(Signature of Person mailing papers or fees)

**Attorney Docket No. 2003-0083-01**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

William N. Partlo et al.

Serial No.: 10/798,740

Filing Date: March 10, 2004

Title: COLLECTOR FOR EUV LIGHT  
SOURCE

Examiner: Not Yet Assigned

Group Art Unit: 2881

**PETITION IN RESPONSE TO NOTICE TO FILE MISSING PARTS**

Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicants have received a Notice to File Missing Parts of Nonprovisional Application for the above-captioned application indicating that Figures 10, 11, and 12 were omitted from the application as filed. Applicants contend that the above-noted figures were in fact submitted with the application as filed as evidenced by a copy of the stamped postcard acknowledging receipt. In addition, a copy of the complete set of drawings as filed (29 sheets) is enclosed herewith.

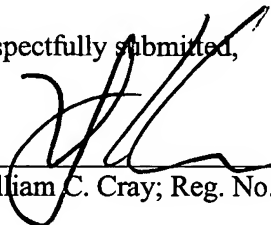
10/26/2004 WASFAW1 00000054 10798740

01 FC:1451 130.00 DA  
02 FC:1460 130.00 DA

### **Conclusion**

A fee in the amount of \$130.00 is due in connection with the filing of this Petition. However, Applicants believe they should be entitled to a refund of the Petition fee, as Figures 10, 11 and 12 were not omitted from the application as filed. Applicants do not believe that the filing of this Petition requires any additional fees; however, if any additional fees are due, the Commissioner is hereby authorized to charge any fees, or to credit any overpayment to Applicants assignee, Cymer, Inc.'s Deposit Account No. 03-4060.

Respectfully submitted,

  
\_\_\_\_\_  
William C. Cray; Reg. No. 27,627

Enclosure: Copy of postcard  
29 Drawing Sheets

October 19, 2004  
Cymer, Inc.  
Legal Department - MS/4-2C  
17075 Thornmint Court  
San Diego, California 92127-2413  
Telephone: 858-385-7185  
Facsimile: 858-385-6025

**RECEIVED IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Cymer Docket No. 2003-0083-01  
In re Application of: William N. Partlo, et al.  
Patent App. No. Unassigned  
Filed: Herewith  
Title: COLLECTOR FOR EUV LIGHT SOURCE  
MAIL STOP PATENT APPLICATION  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

17548 U.S. PTO  
10/798740



031004

ENTERED

Please Acknowledge receipt of the documents listed below by placing your stamp hereon and mailing this card:

Utility Patent Application Transmittal (4 pgs); Specification (37 pgs.); Claims; (26 pgs.)  
Abstract (1 pg); 29 Drawing Sheets; Unexecuted Declaration (5 pgs);  
Patent Data Sheet (3 pgs)

Respectfully submitted,

Cymer, Inc.

Date Mailed: March 10, 2004 Express Mail Label No. EV 305 638 787 US

**EV305638787US**

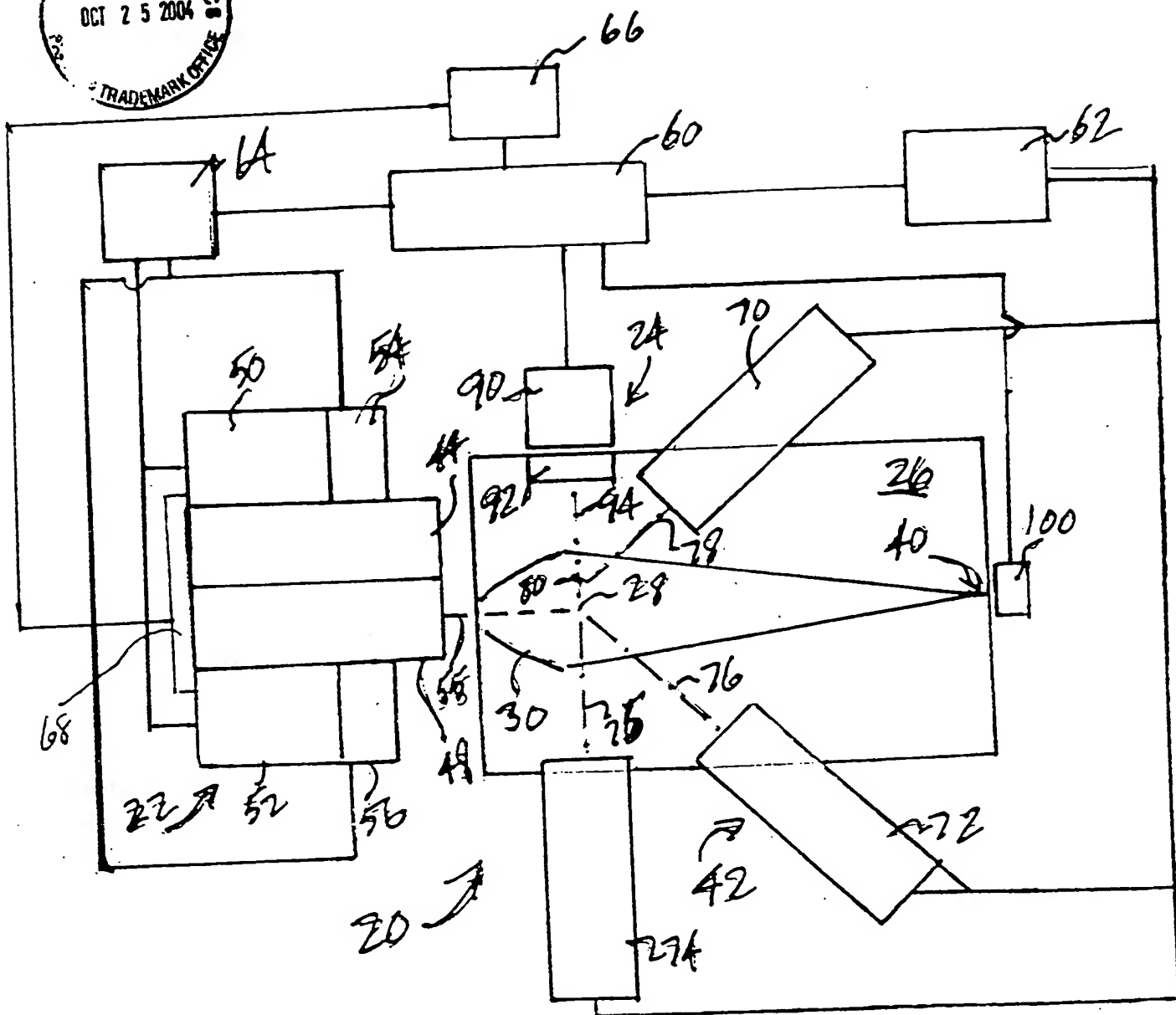


FIG. 1

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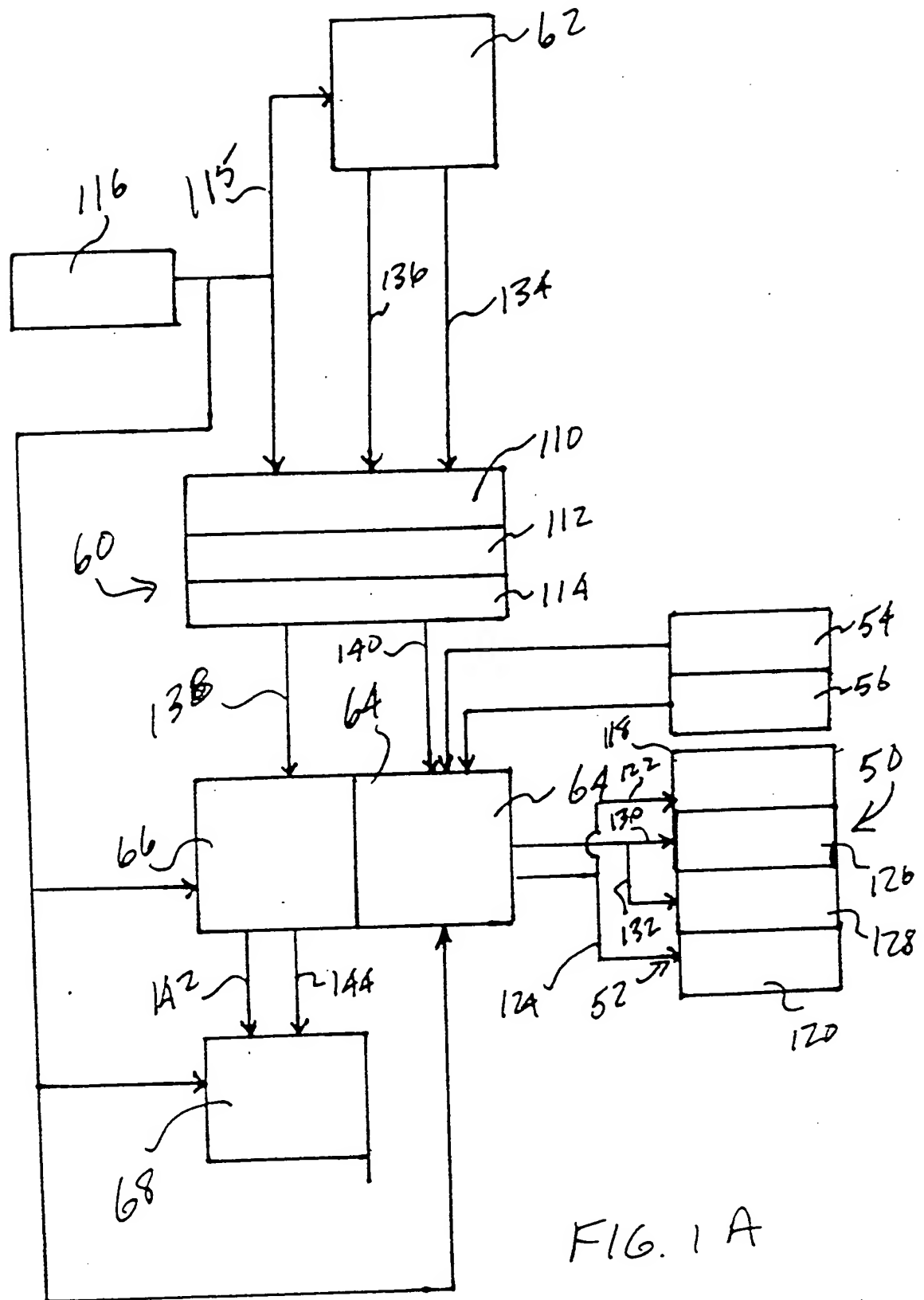
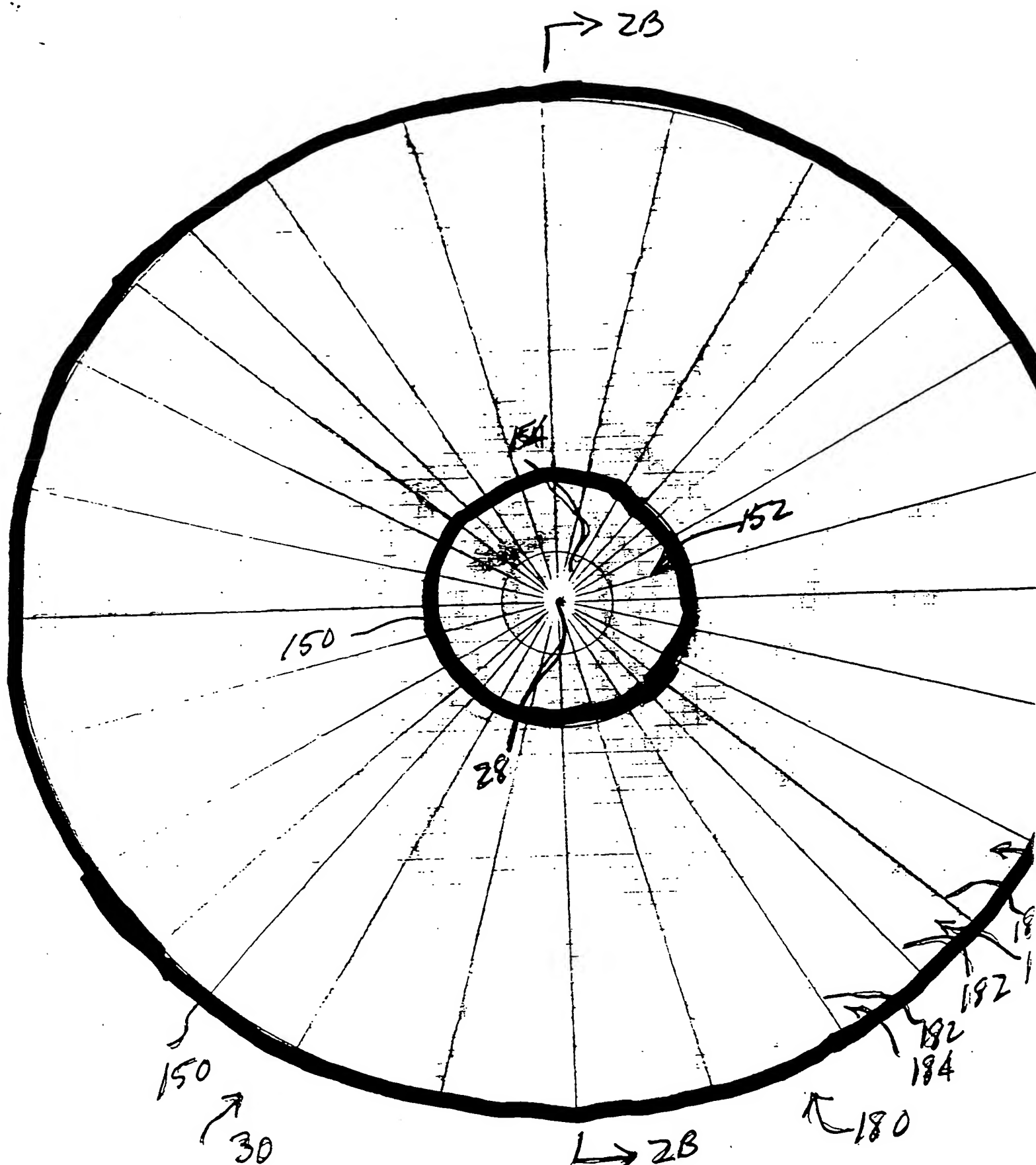


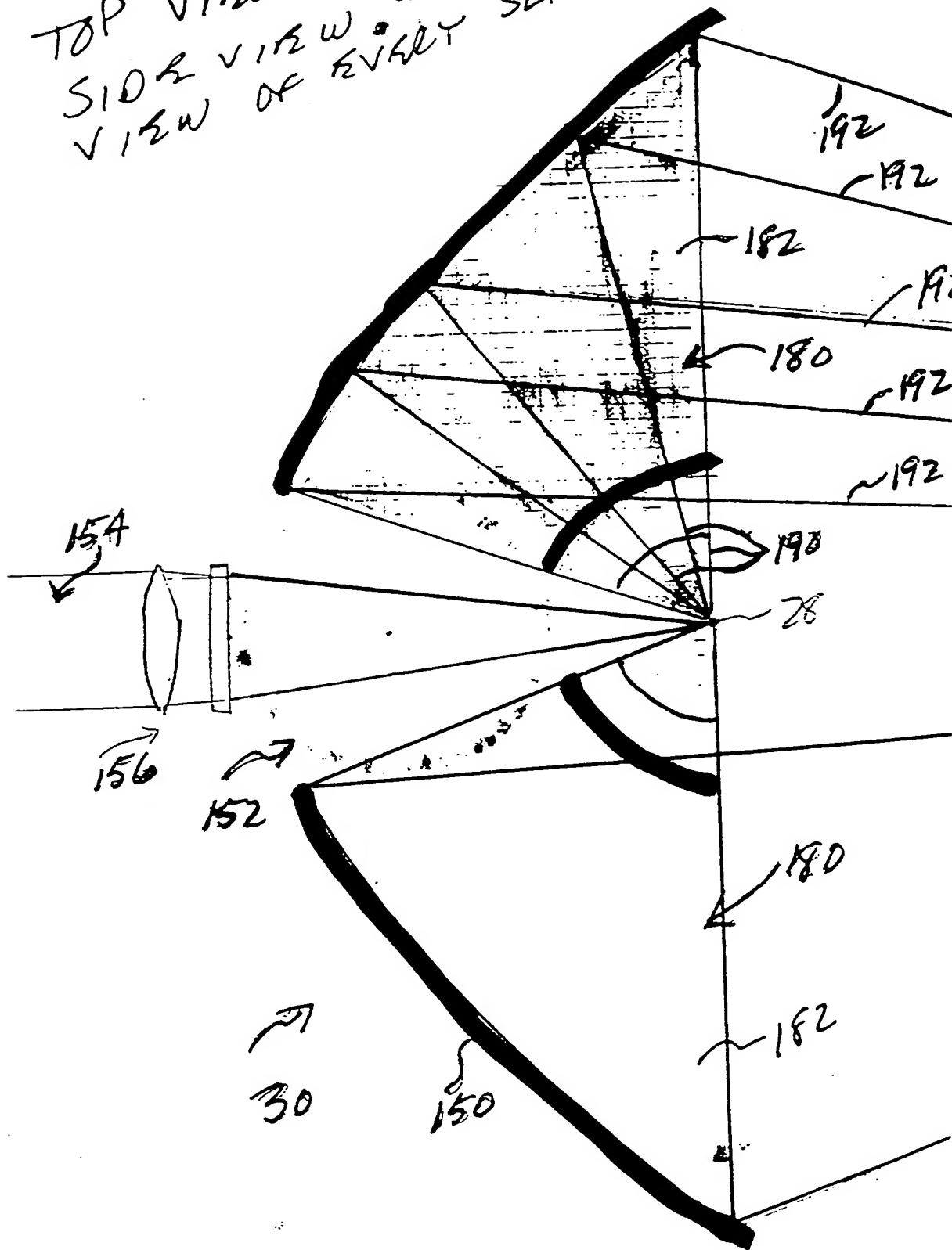
FIG. 1 A



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$$\frac{x^2}{1} + \frac{y^2}{4} = 1$$

TOP VIEW &  
SIDE VIEW &  
VIEW OF EVERY SLICE

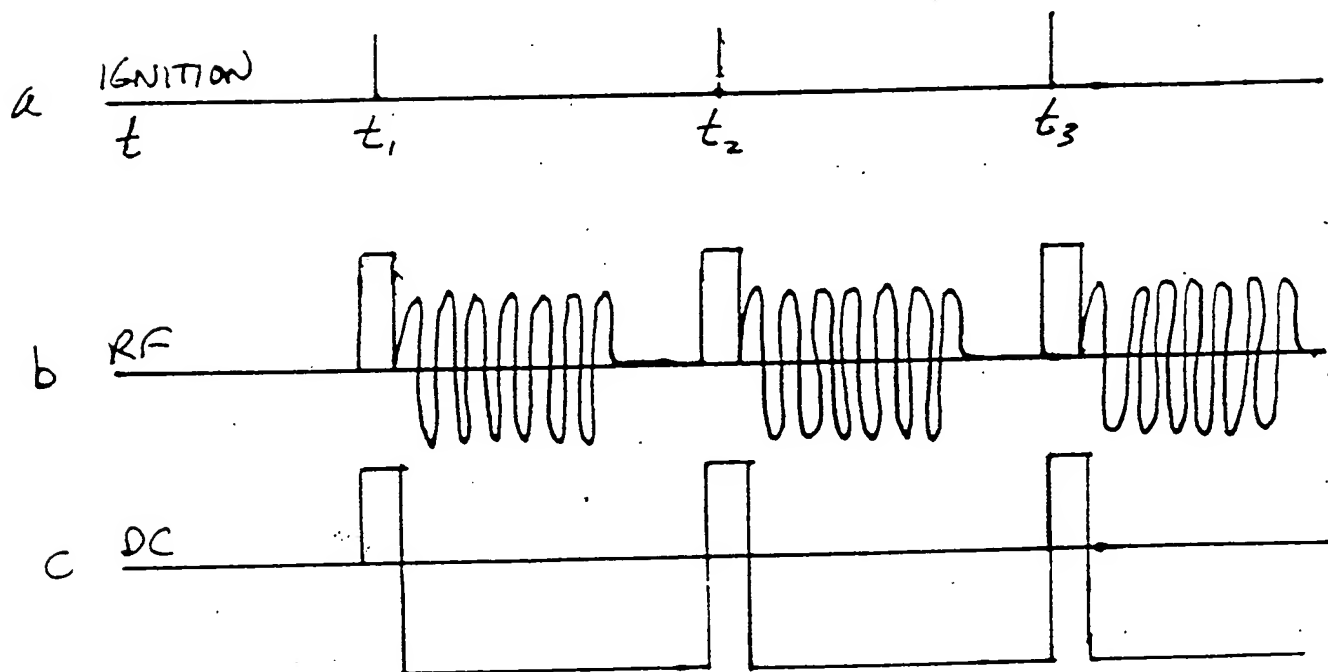
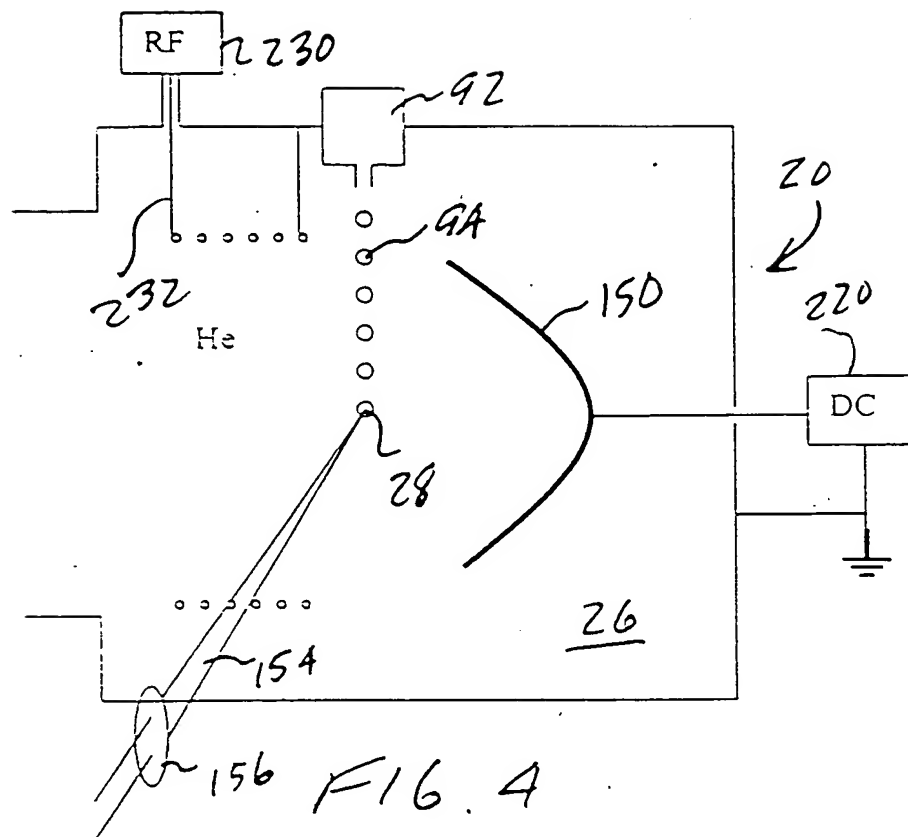


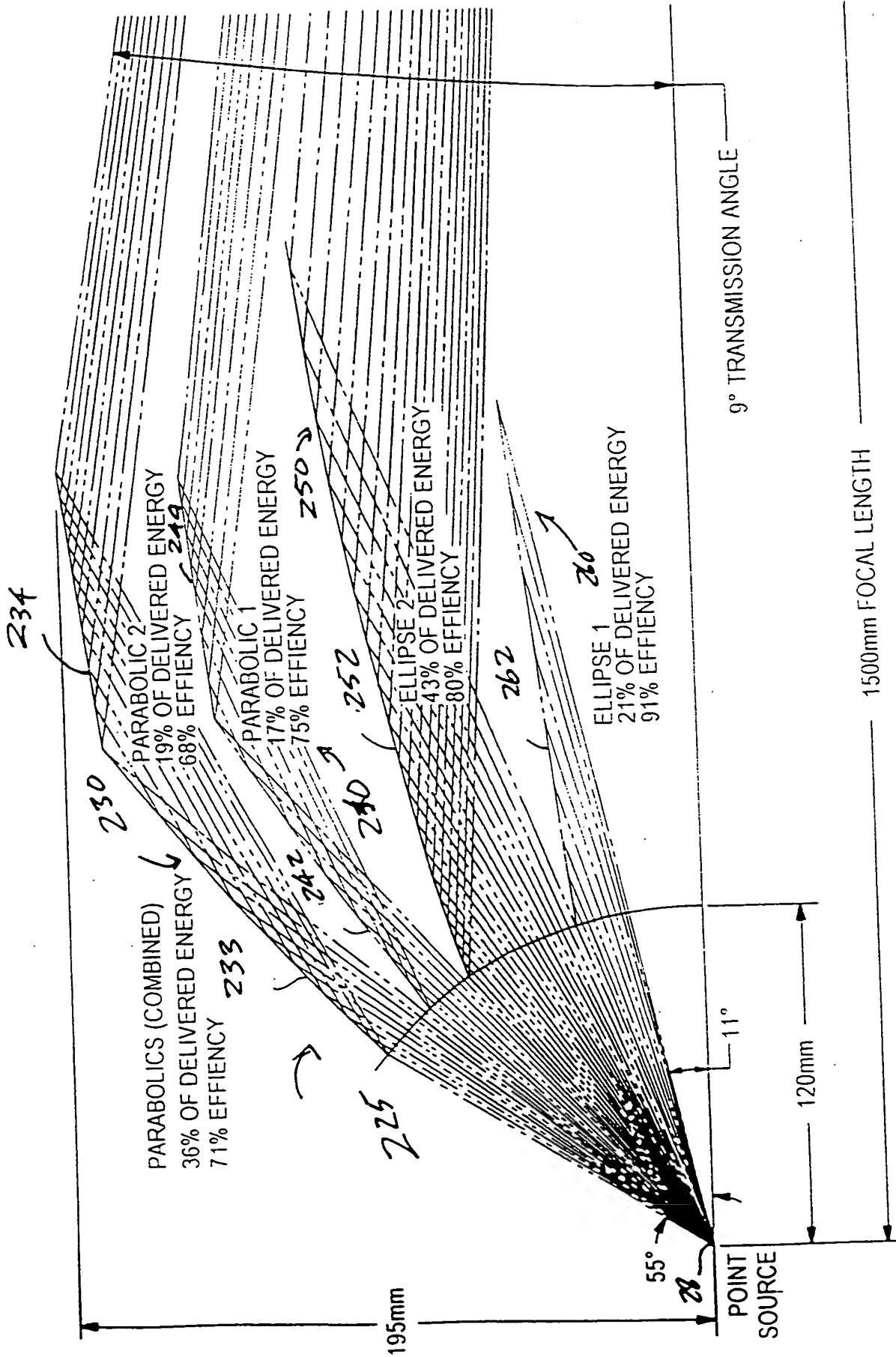
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FIG. 2B



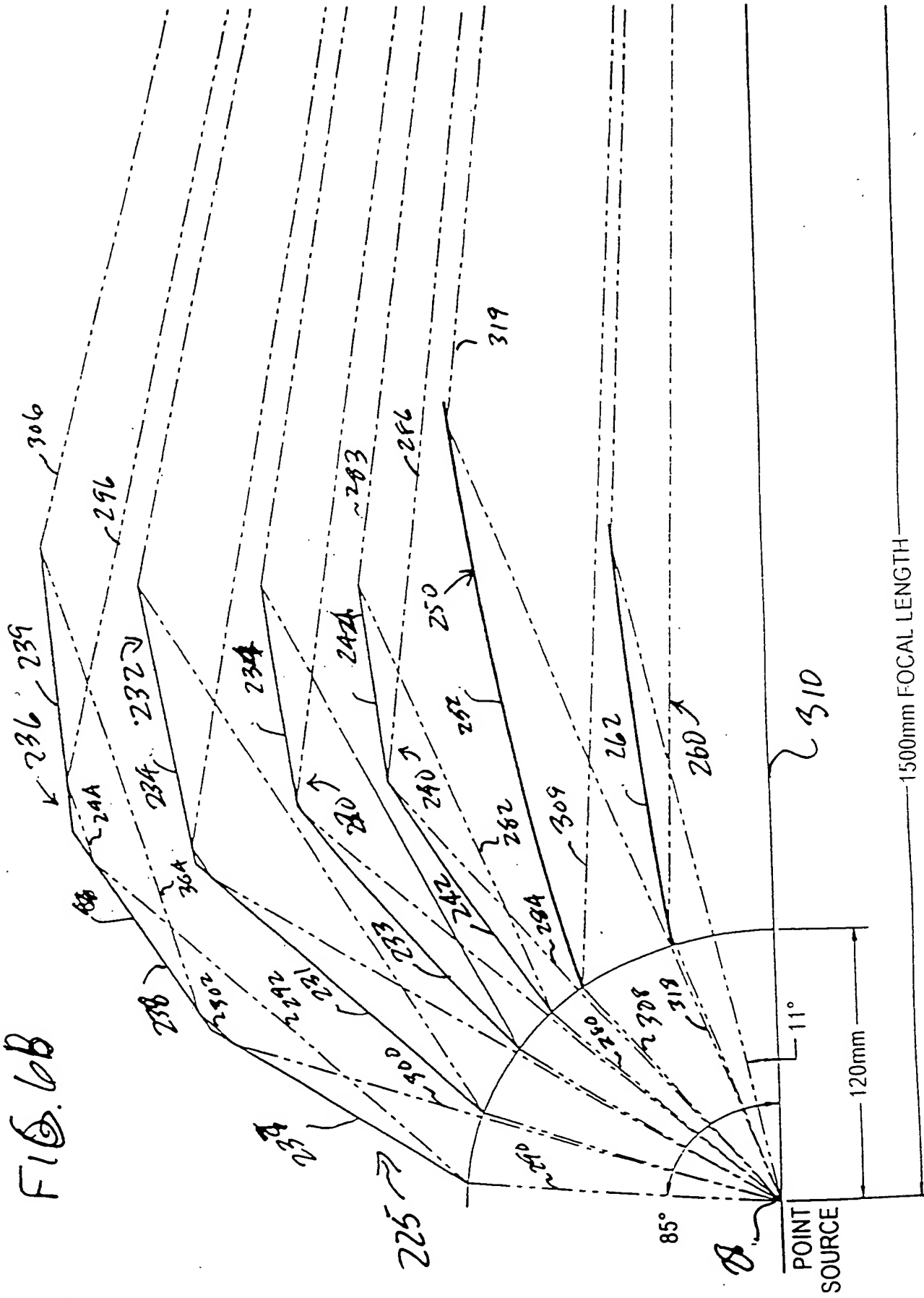






GA

FIG. 6B



1500mm FOCAL LENGTH

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# Grazing Incidence Reflectivity at 5 Degrees

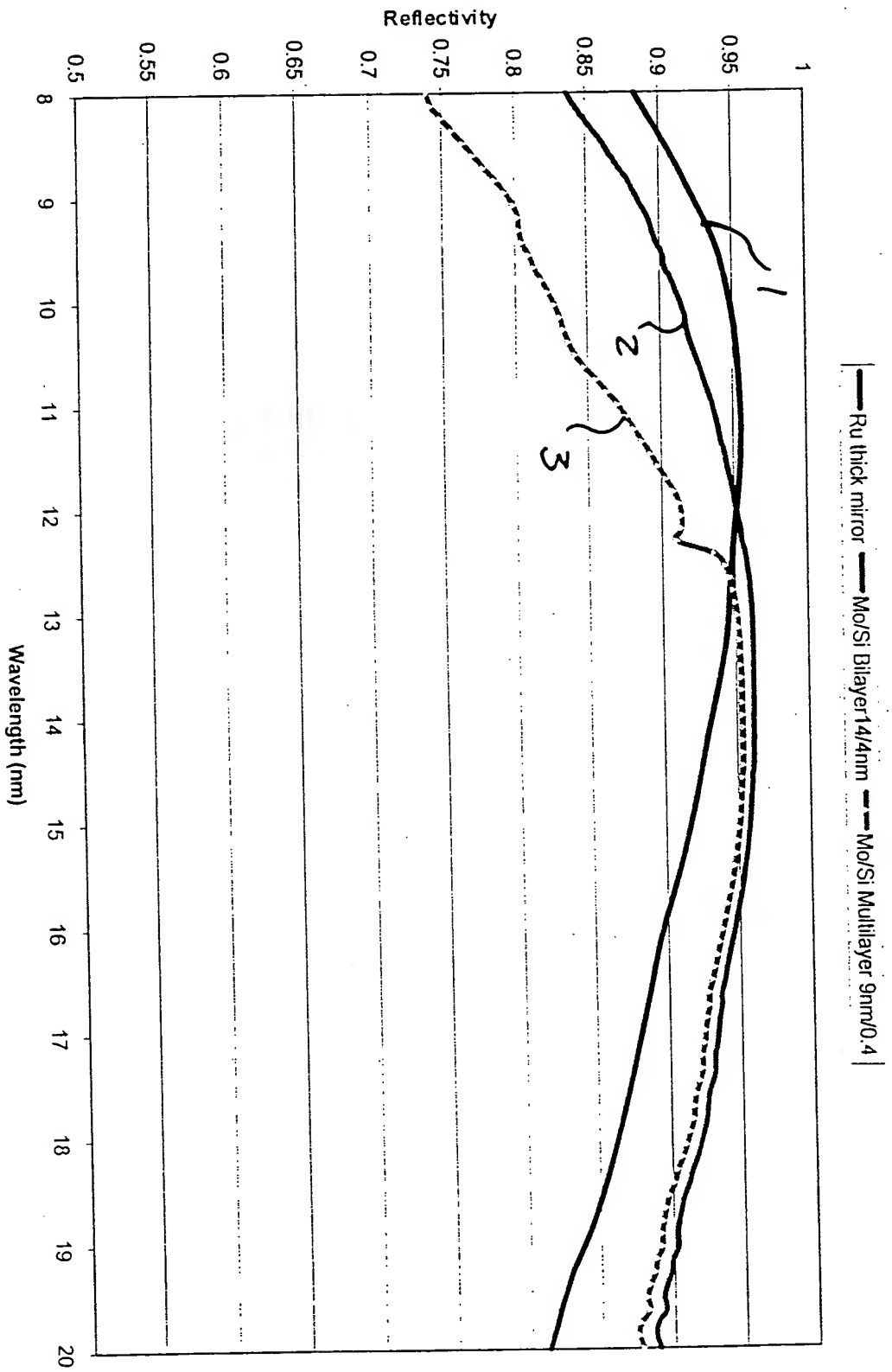


FIG. 7

# Grazing Incidence Reflectivity at 15 Degrees

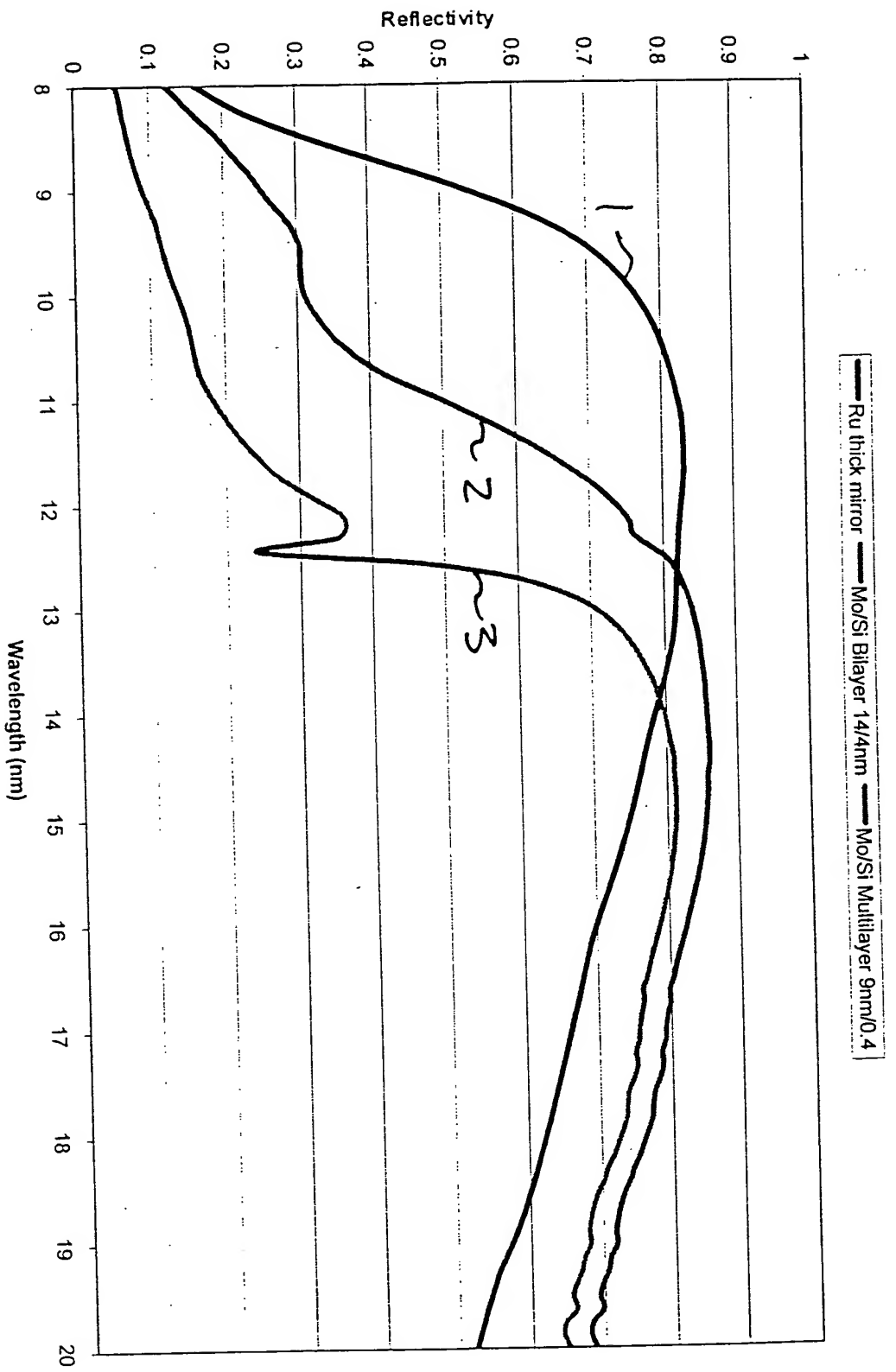


FIG. 8

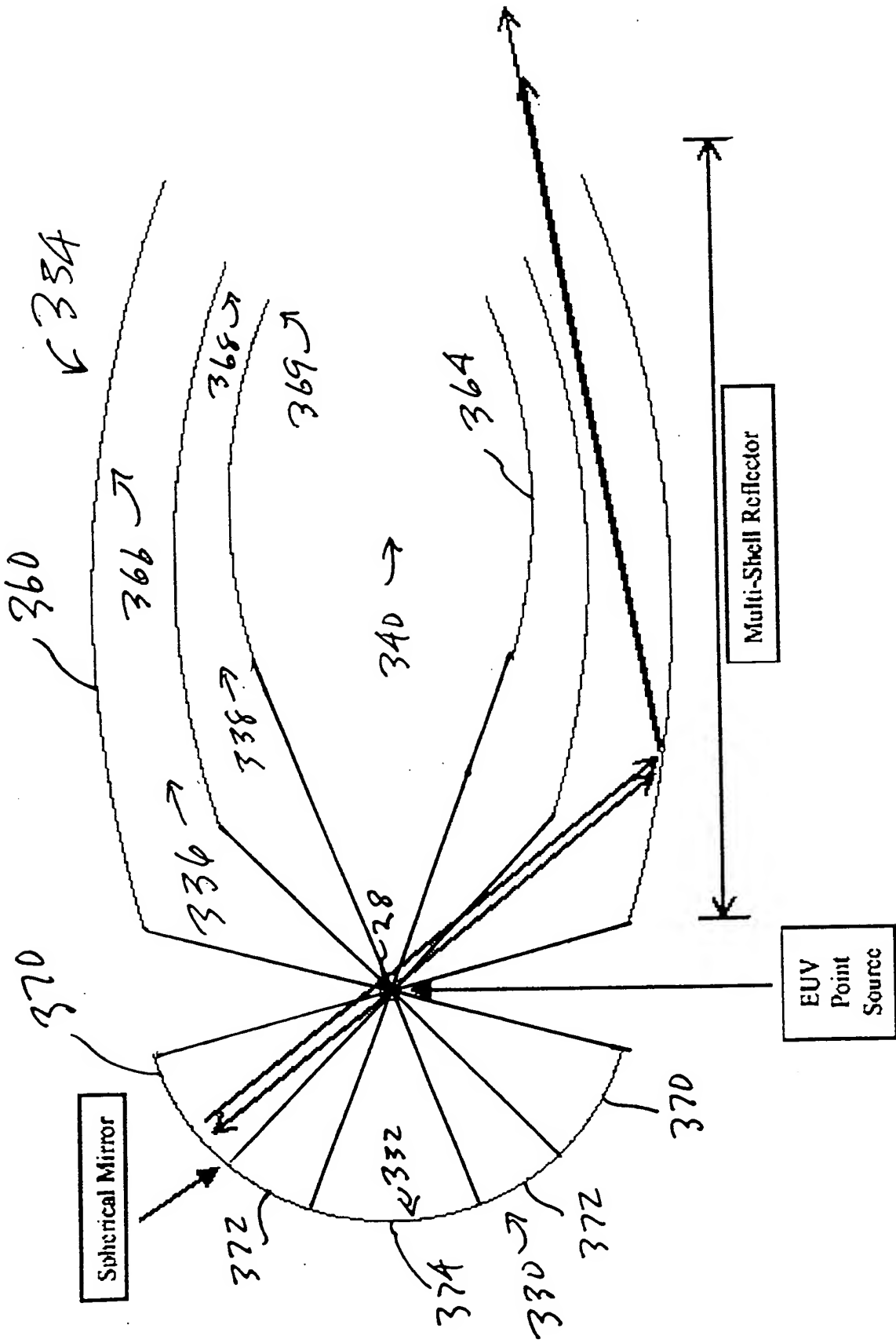


FIG. 9

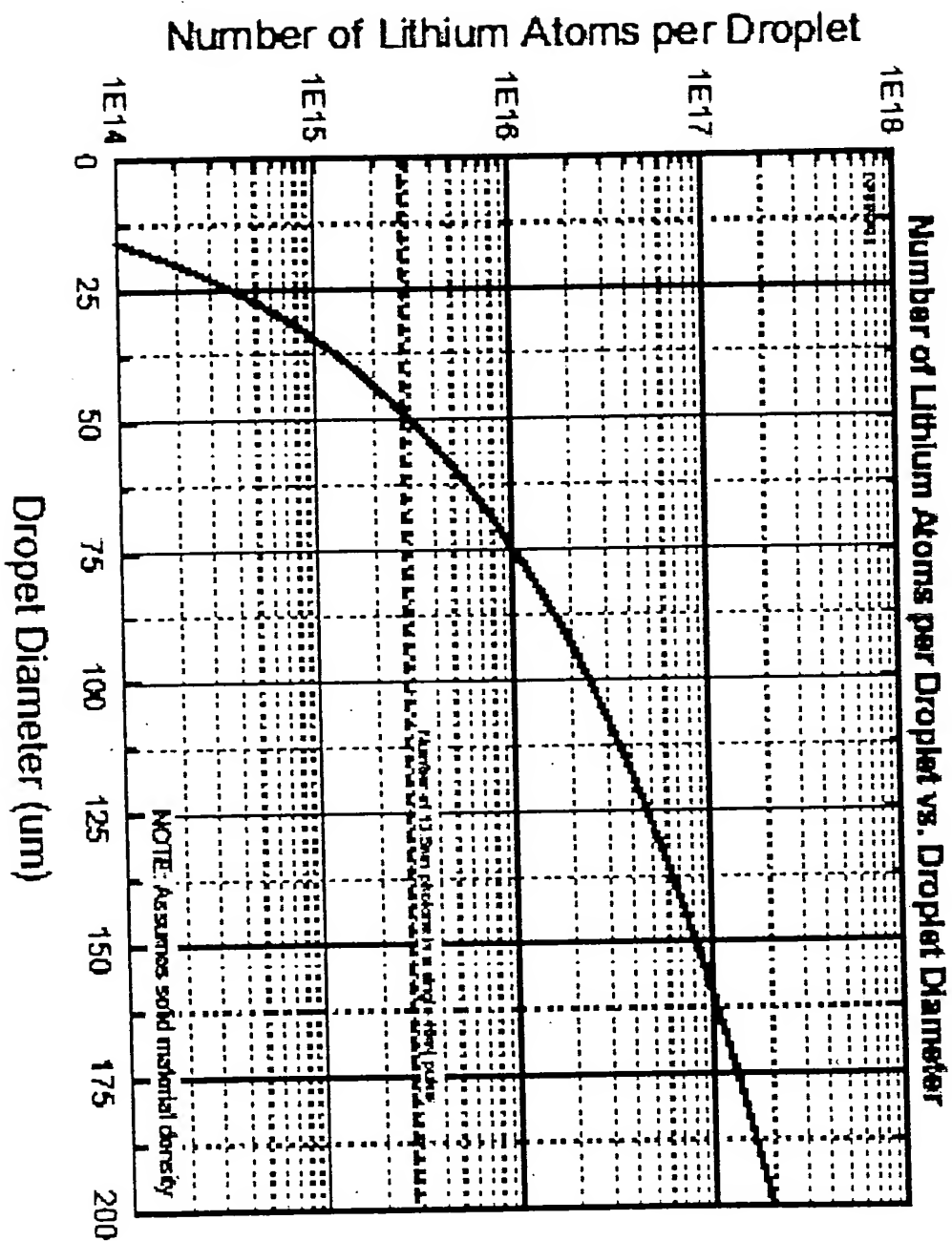


FIG. 10

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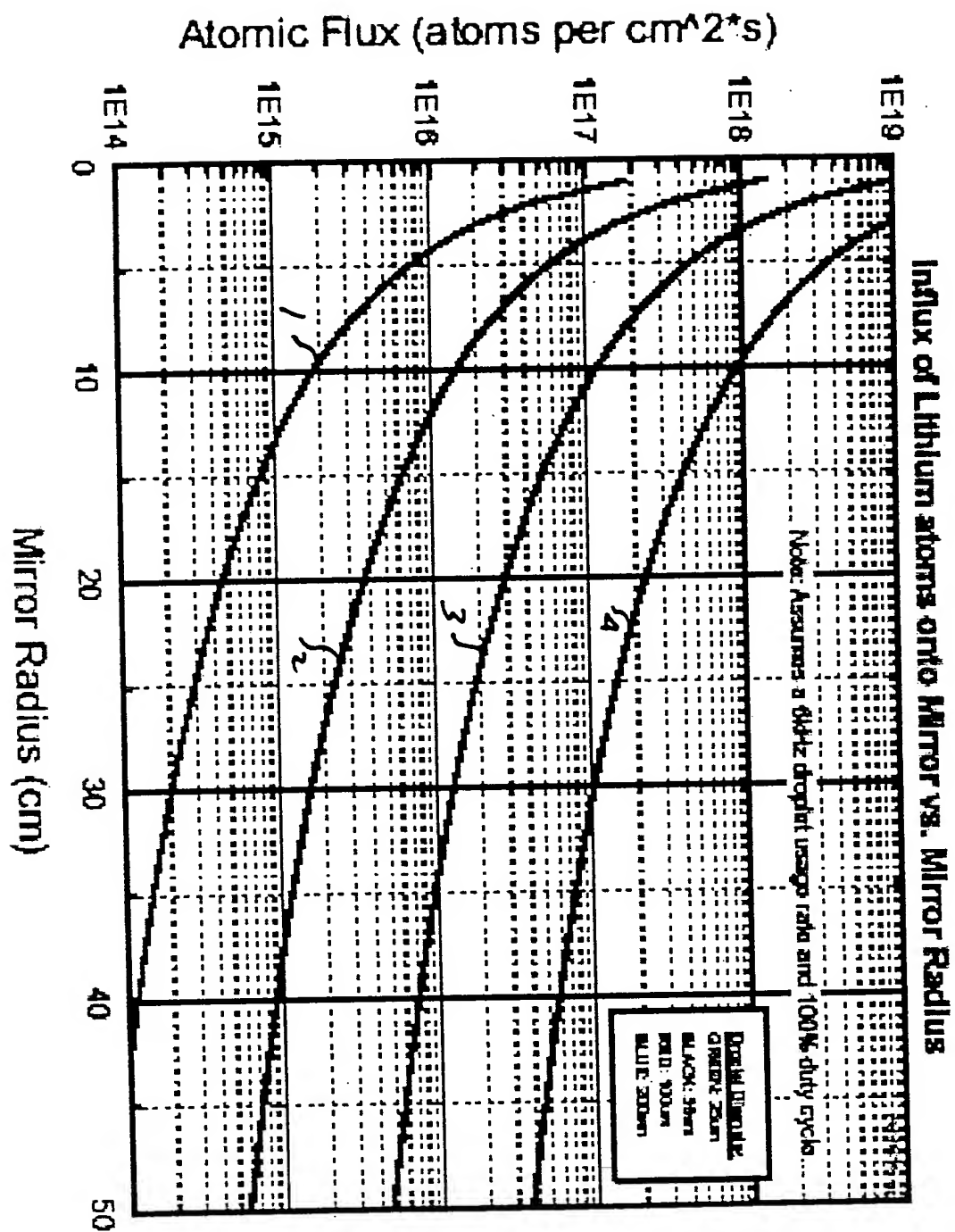


FIG. 11

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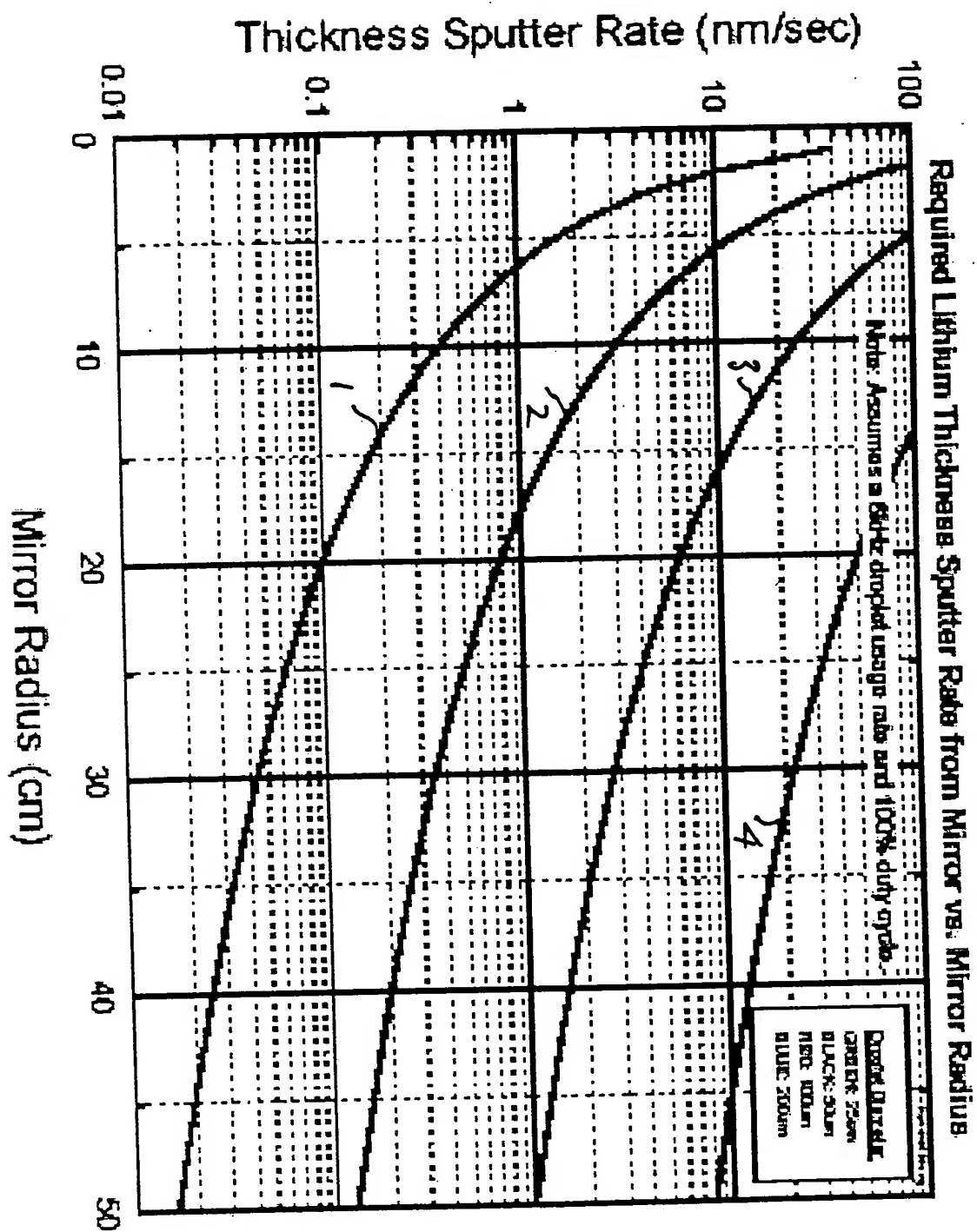


FIG. 12

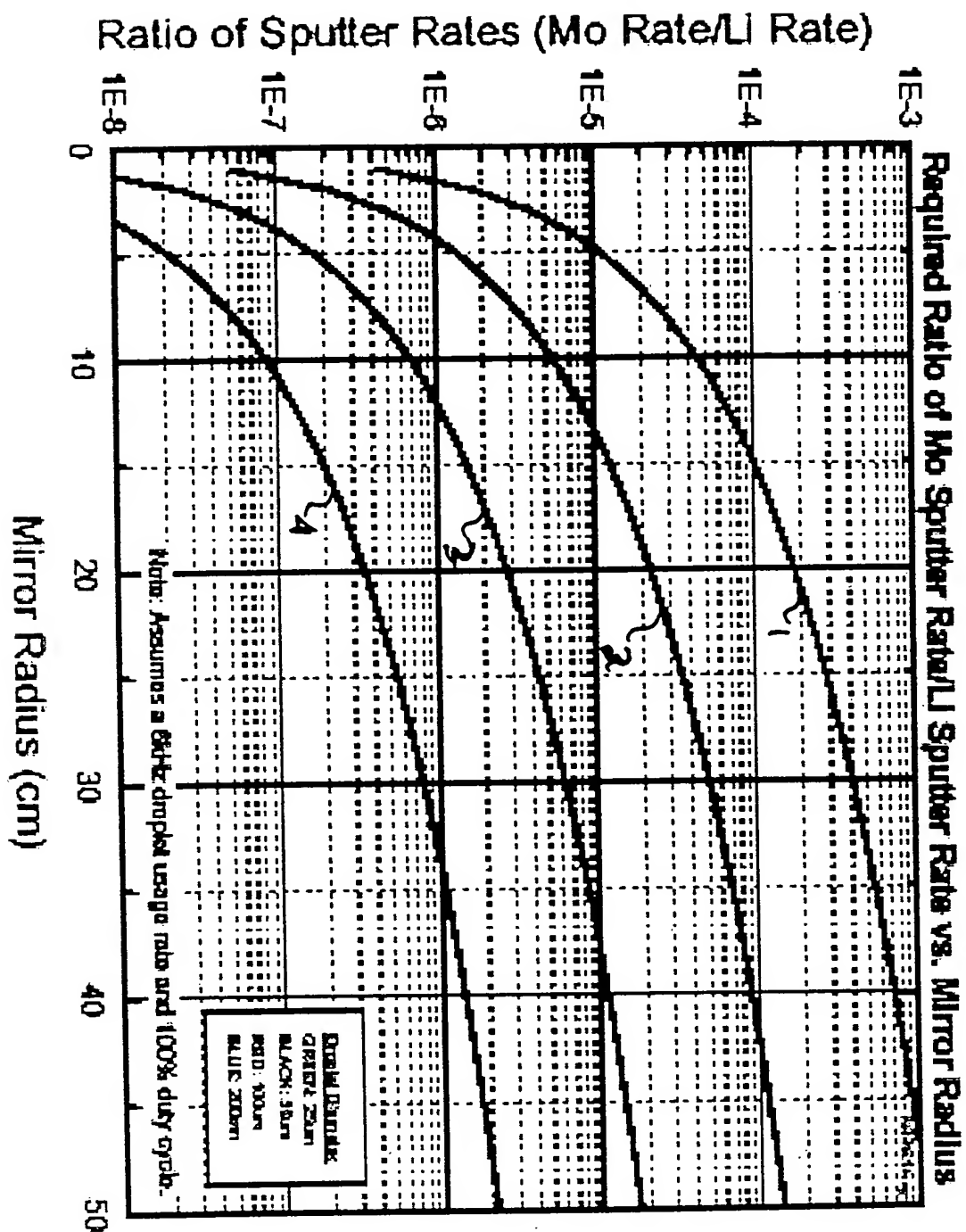


FIG. 13

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Sputter Yield (Atoms per Ion)

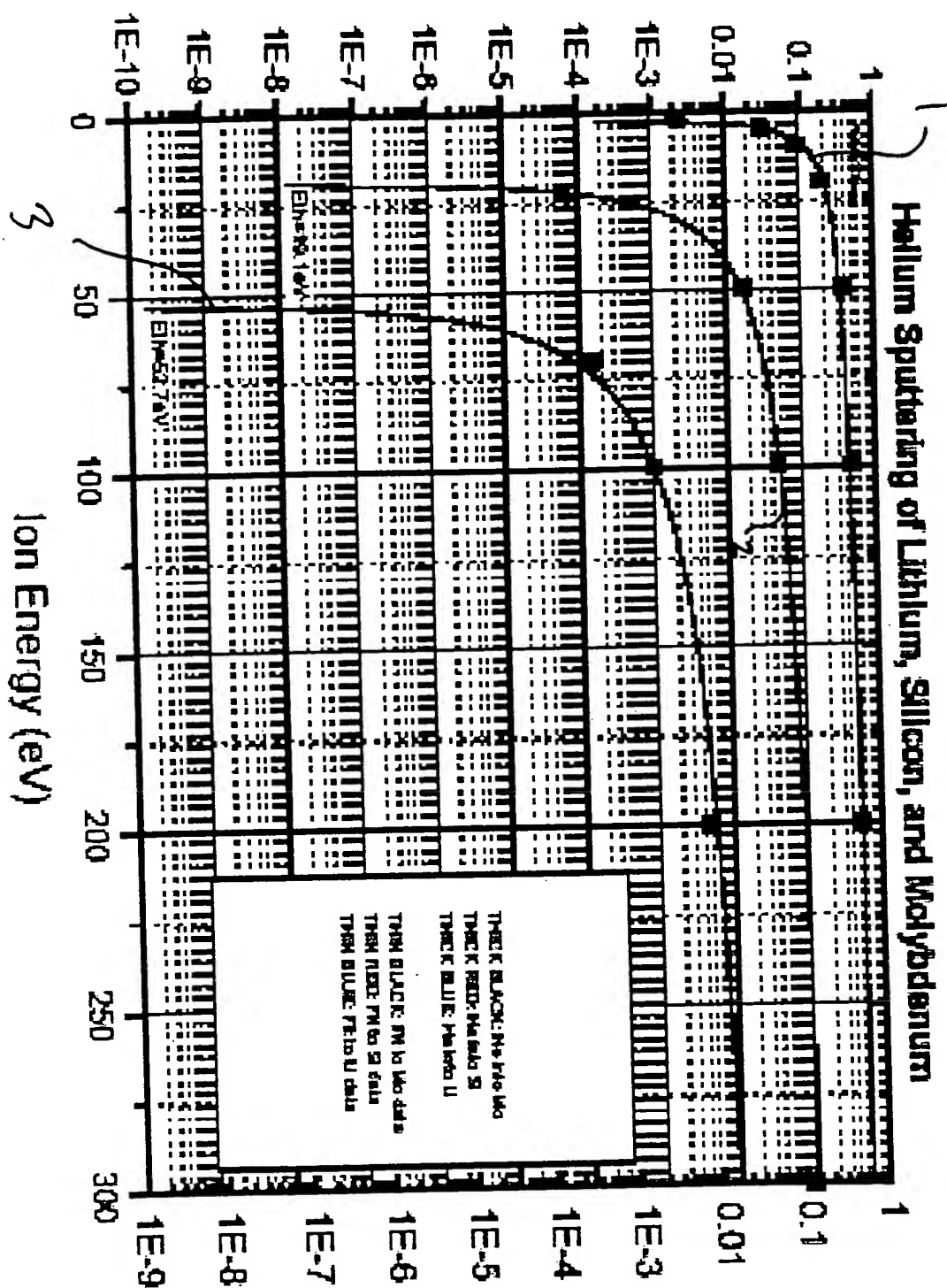


FIG. 14

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# Sputter Yield (Atoms per Ion) and Normalized Energy Distribution

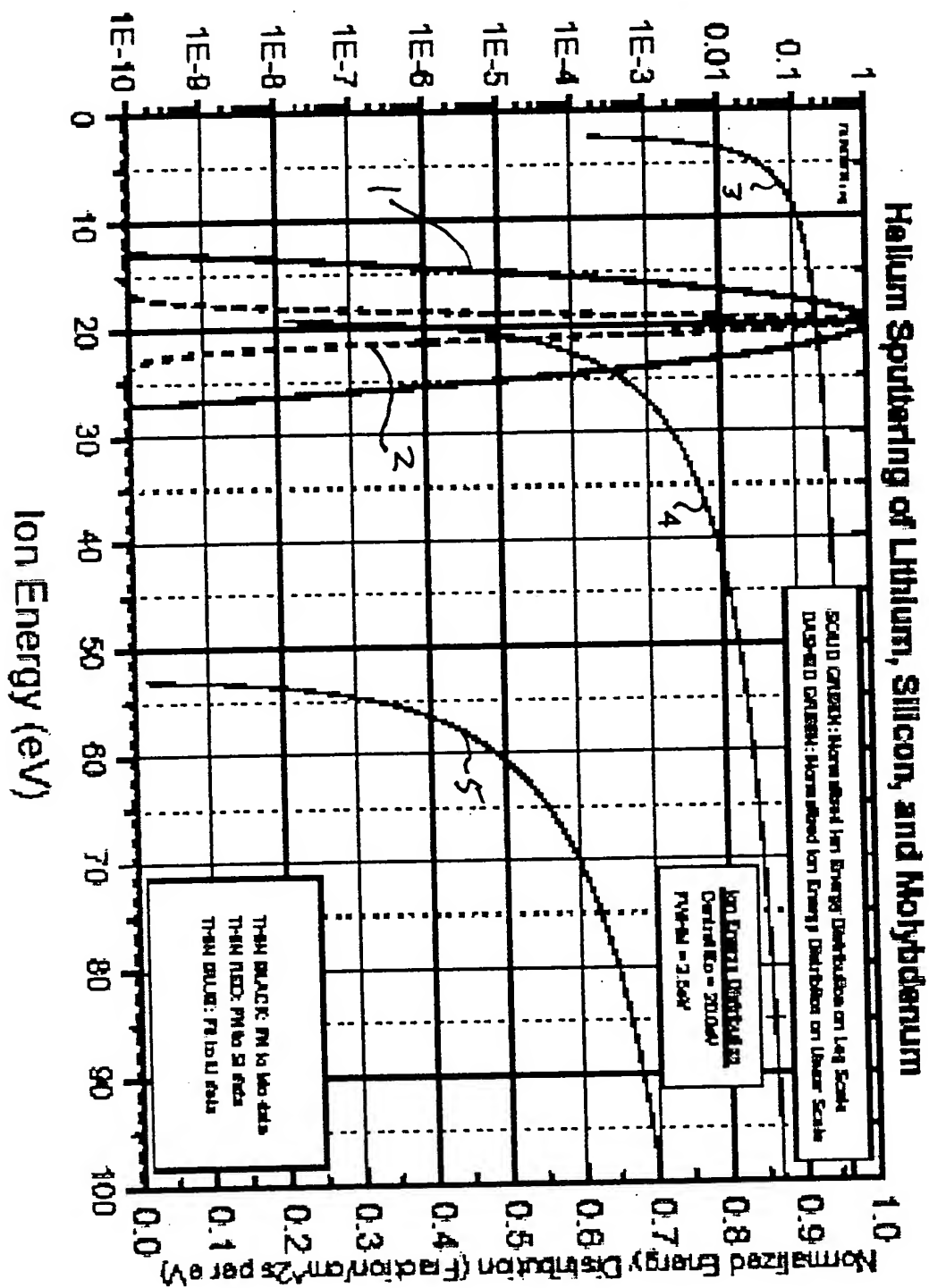


FIG. 15

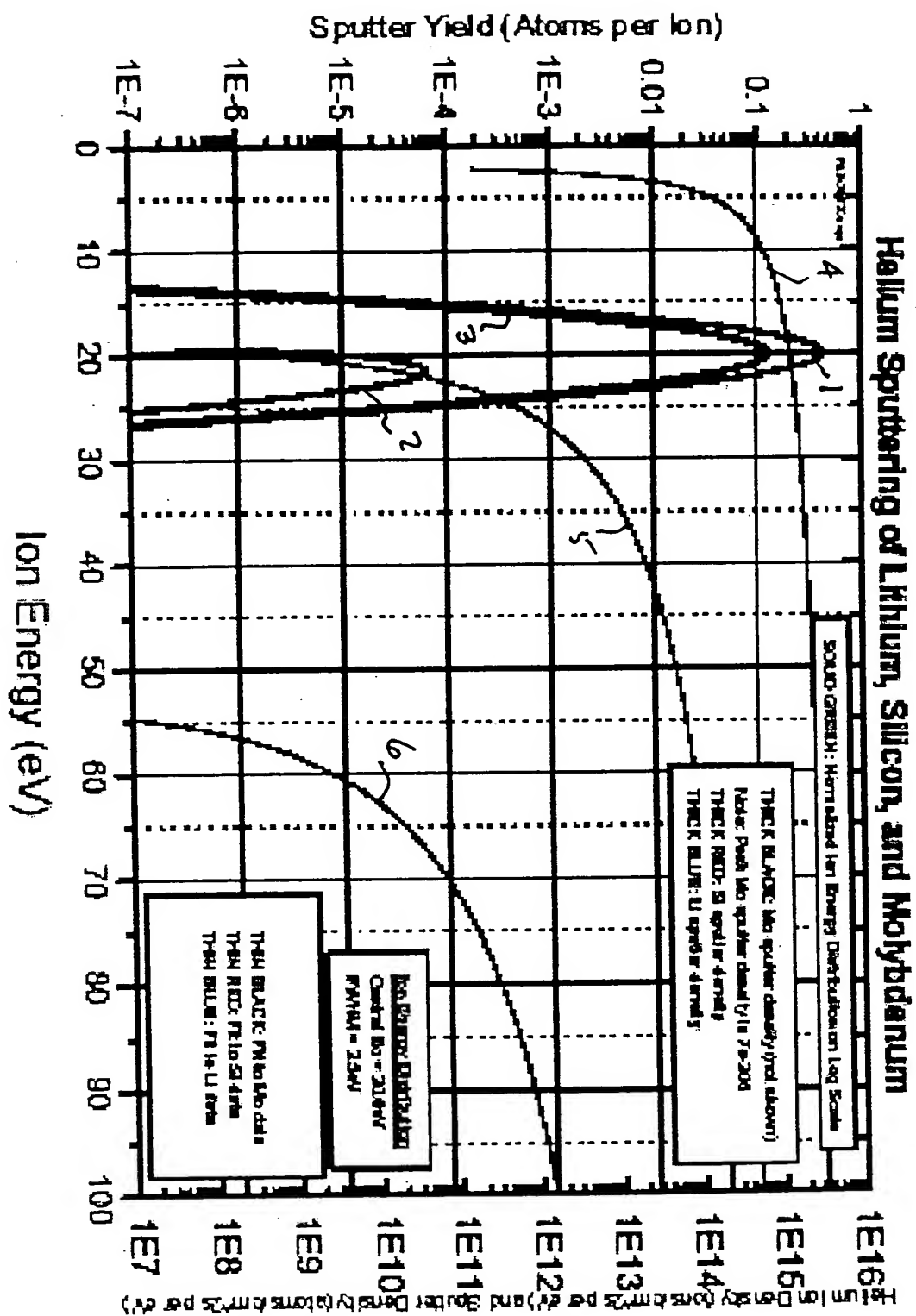


FIG. 16

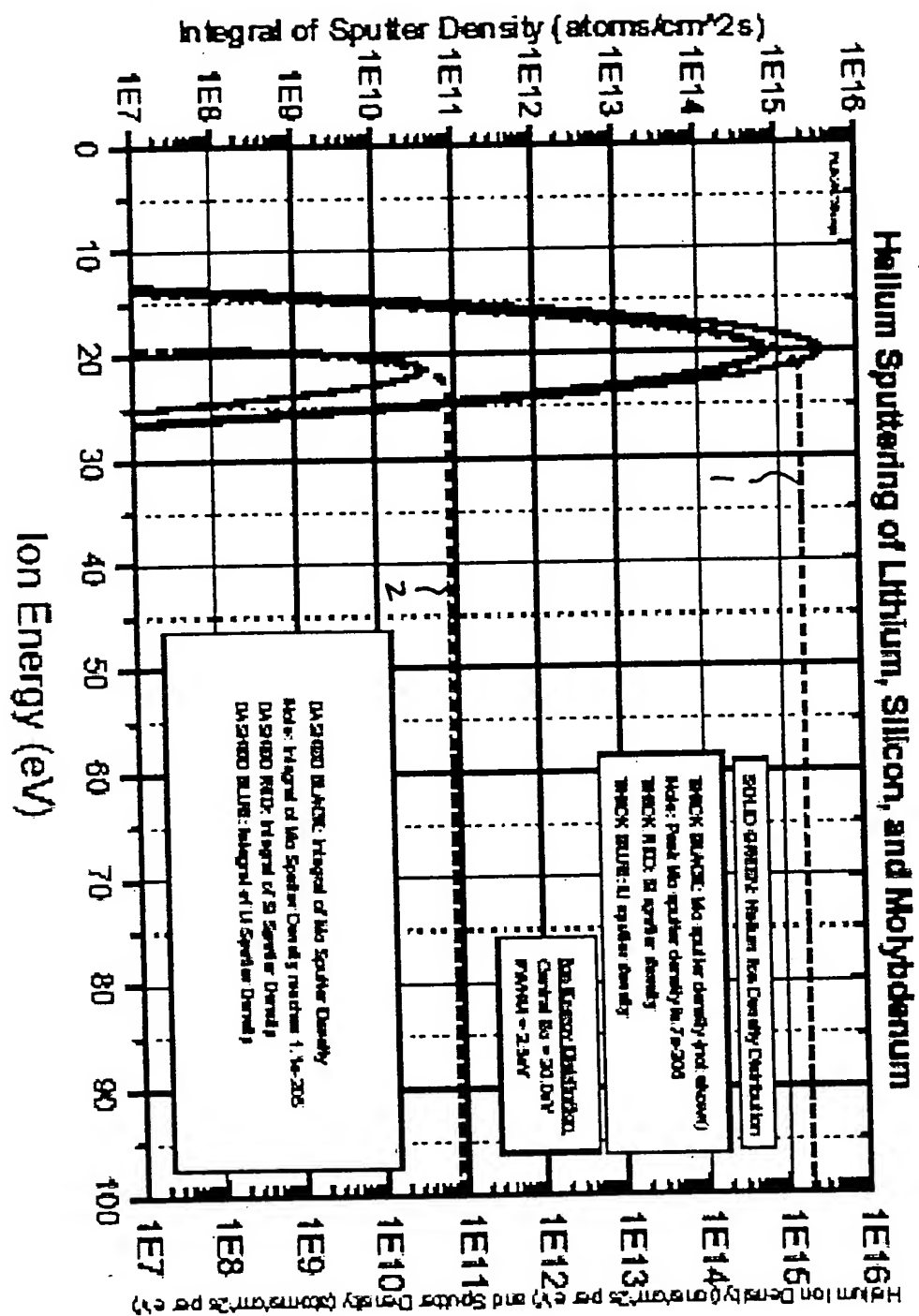


FIG. 17

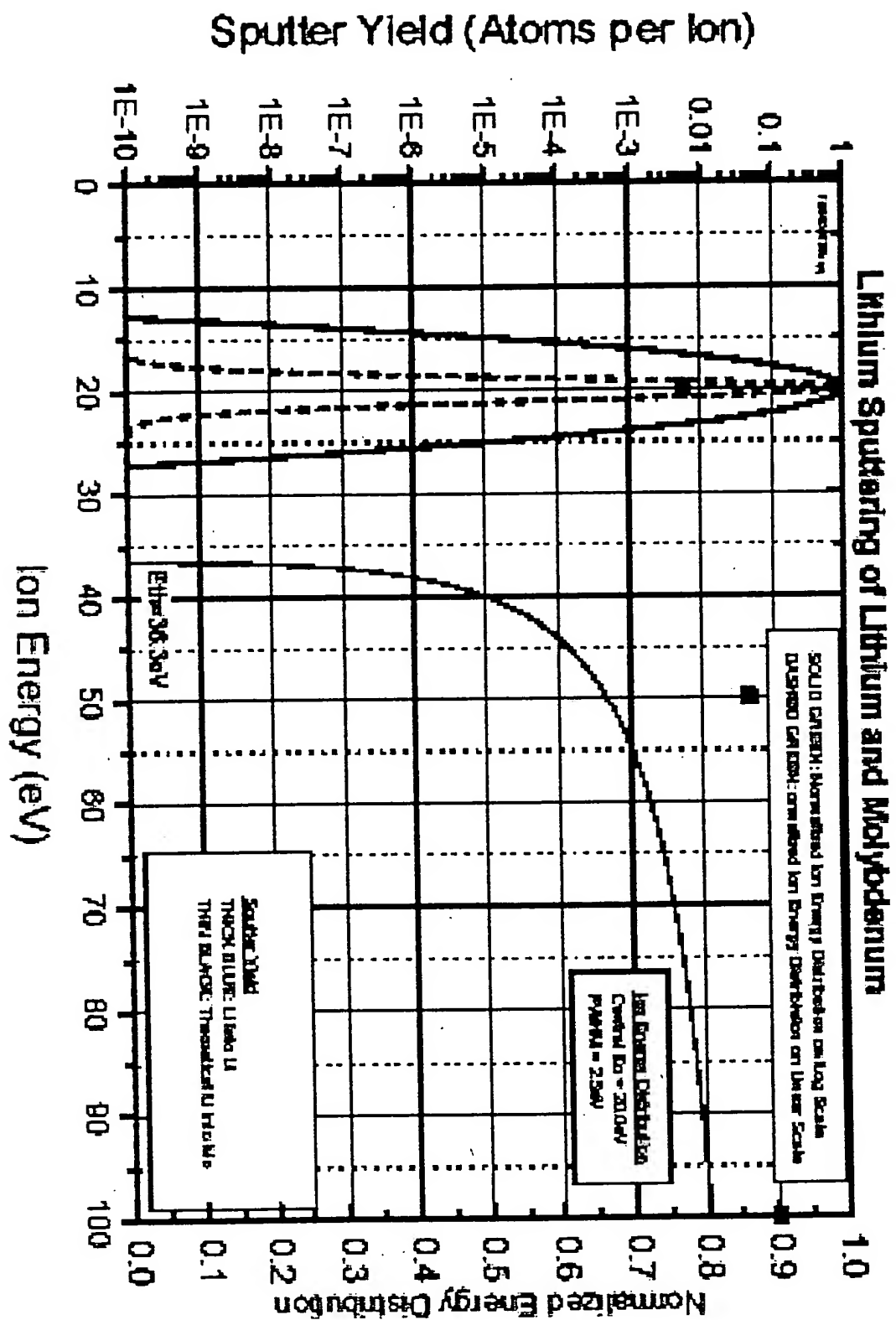


FIG. 18

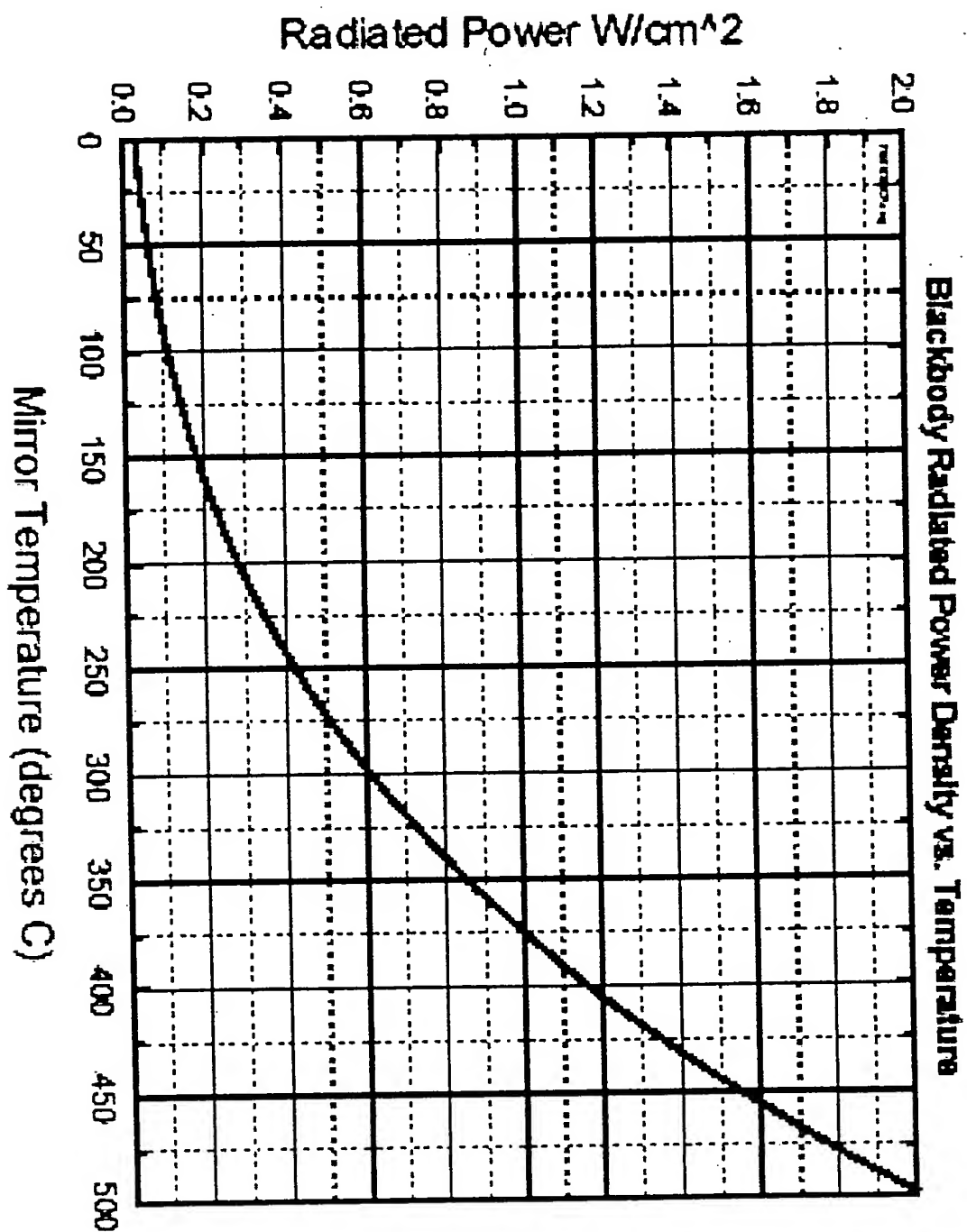


FIG. 19

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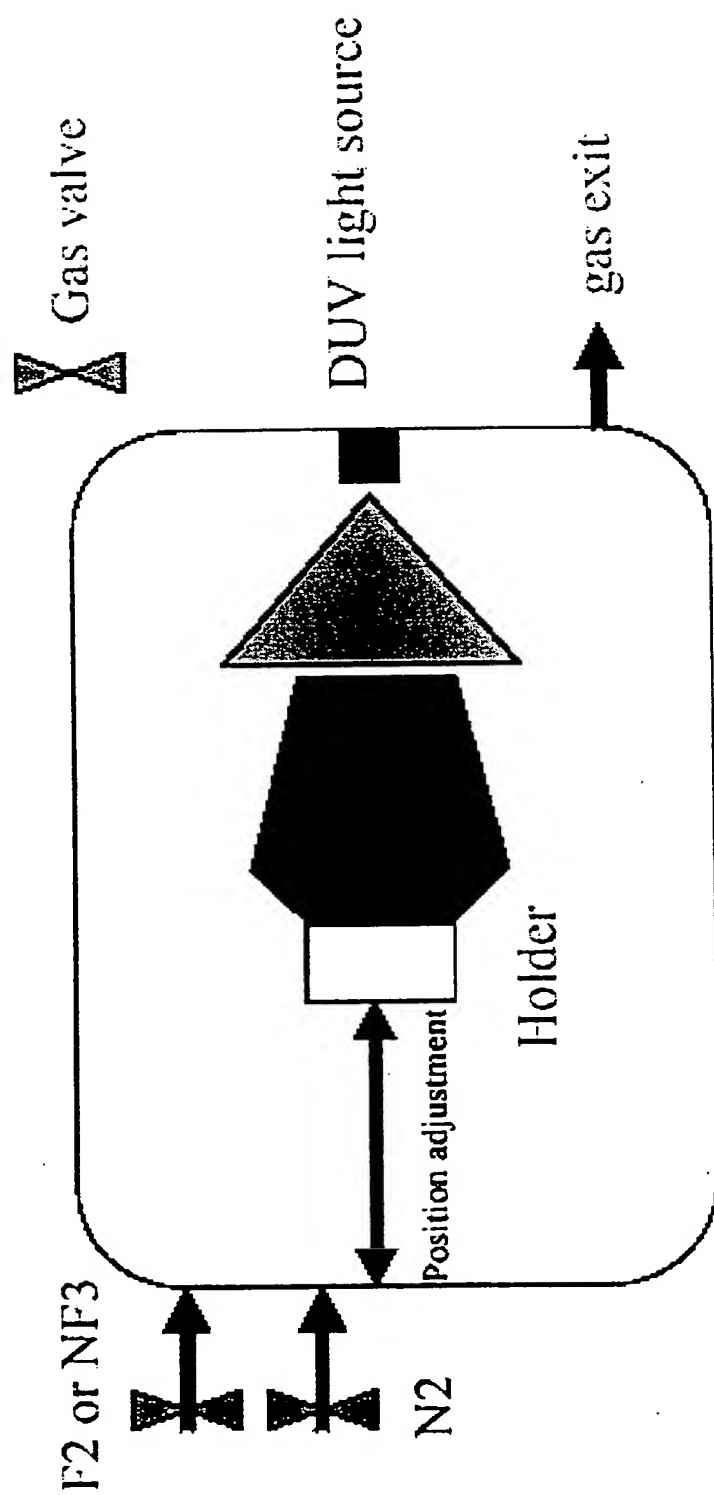


FIG. 20

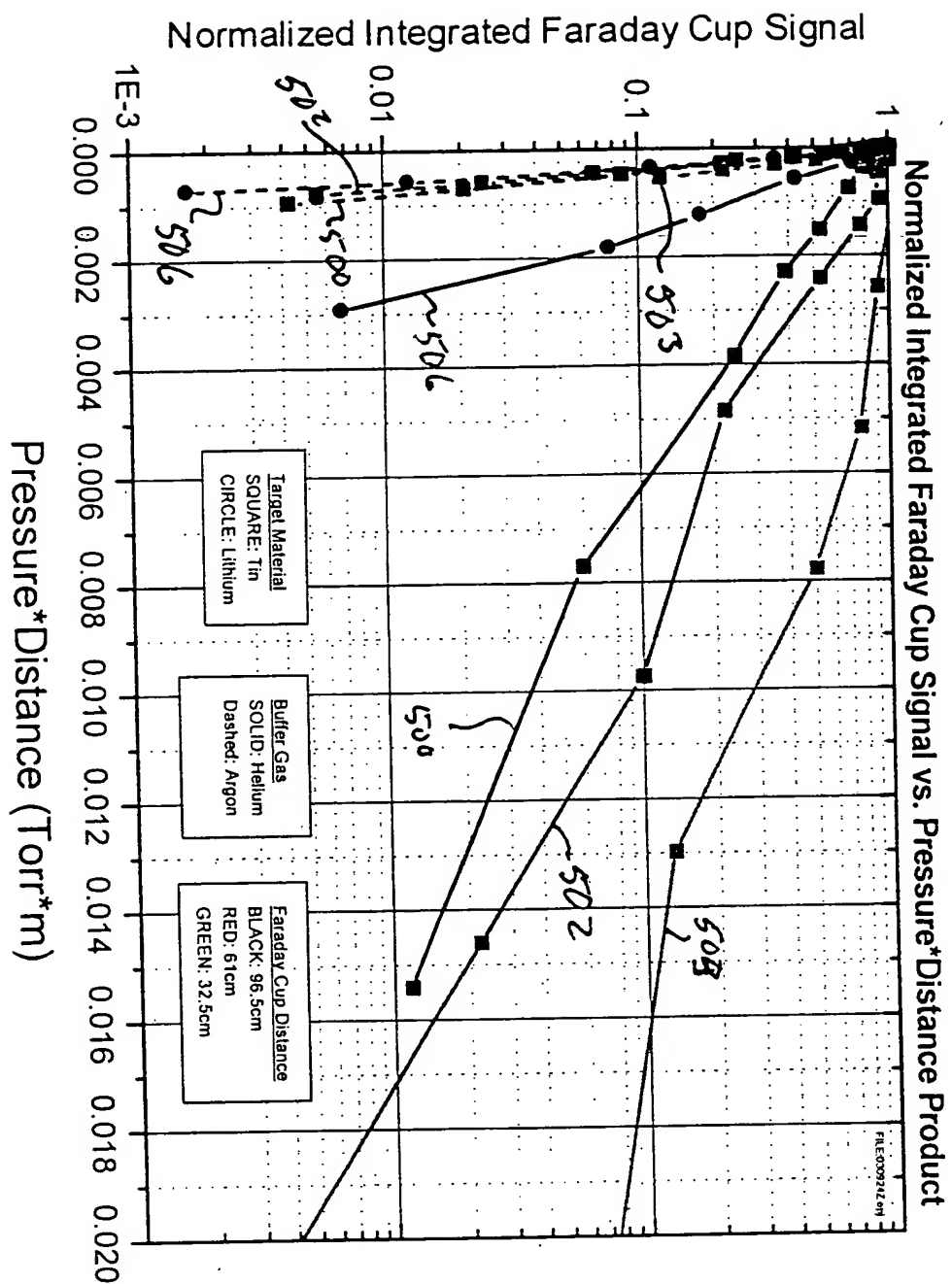


FIG. 21A

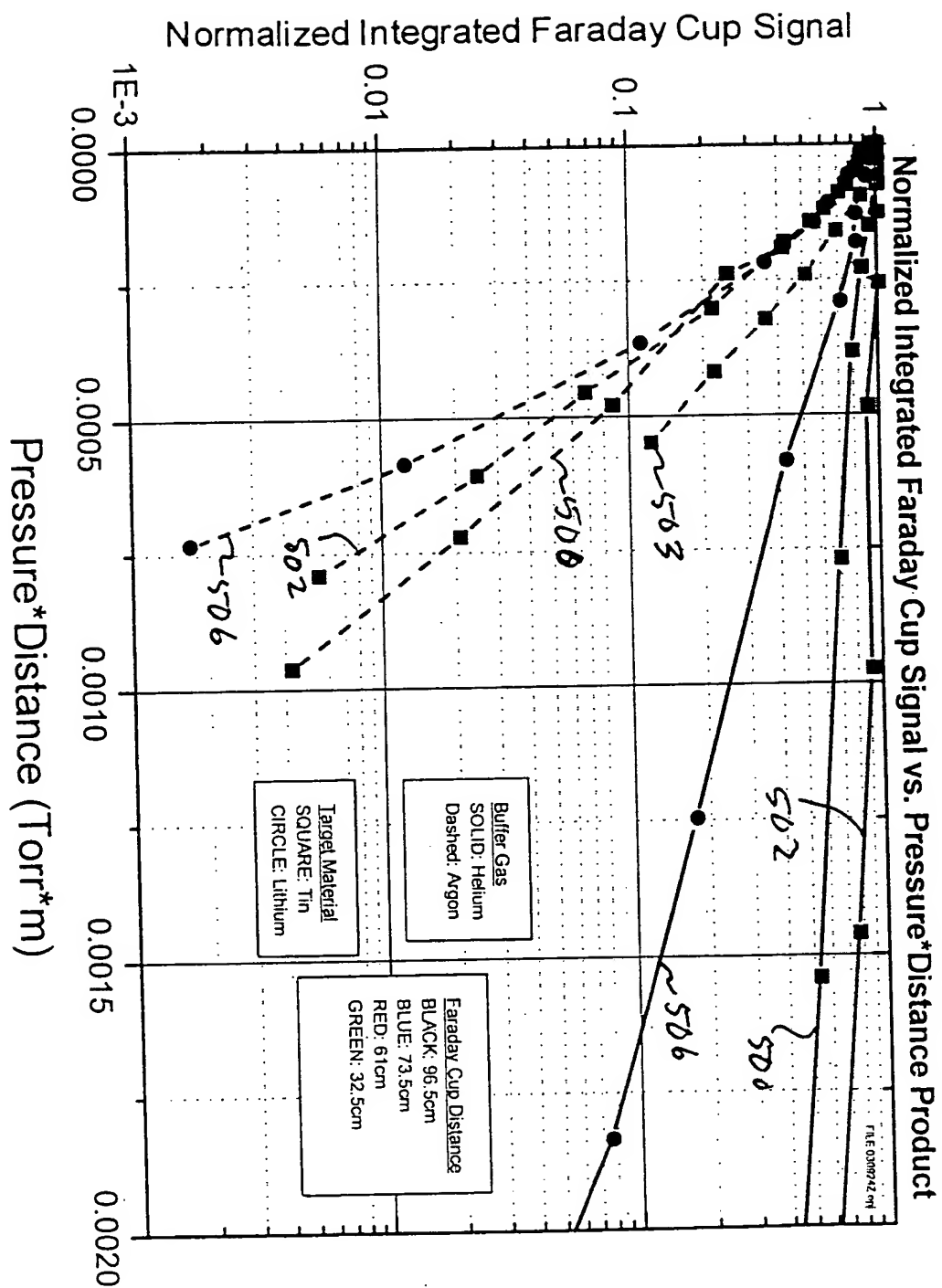


FIG. 21B

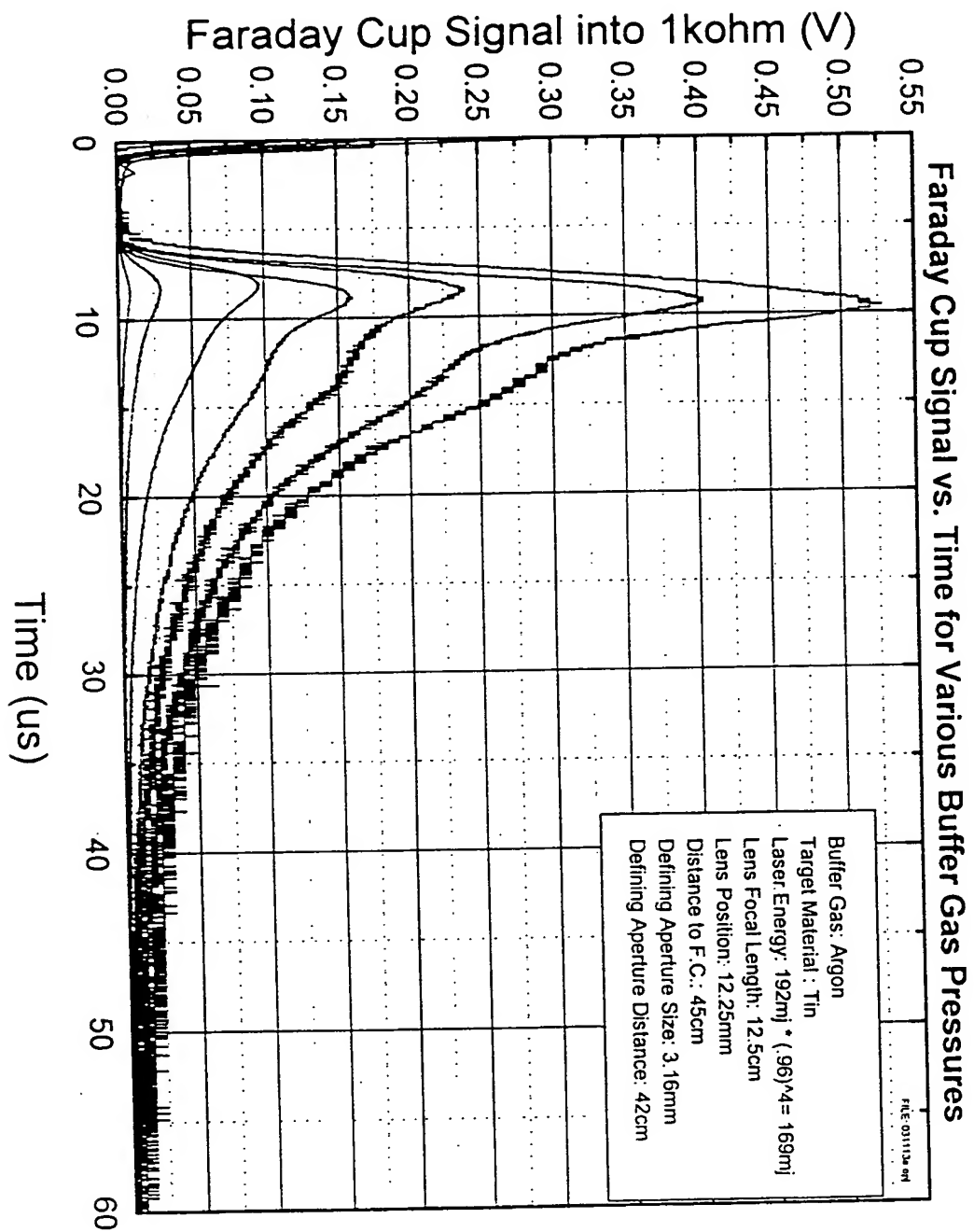


FIG. 22A

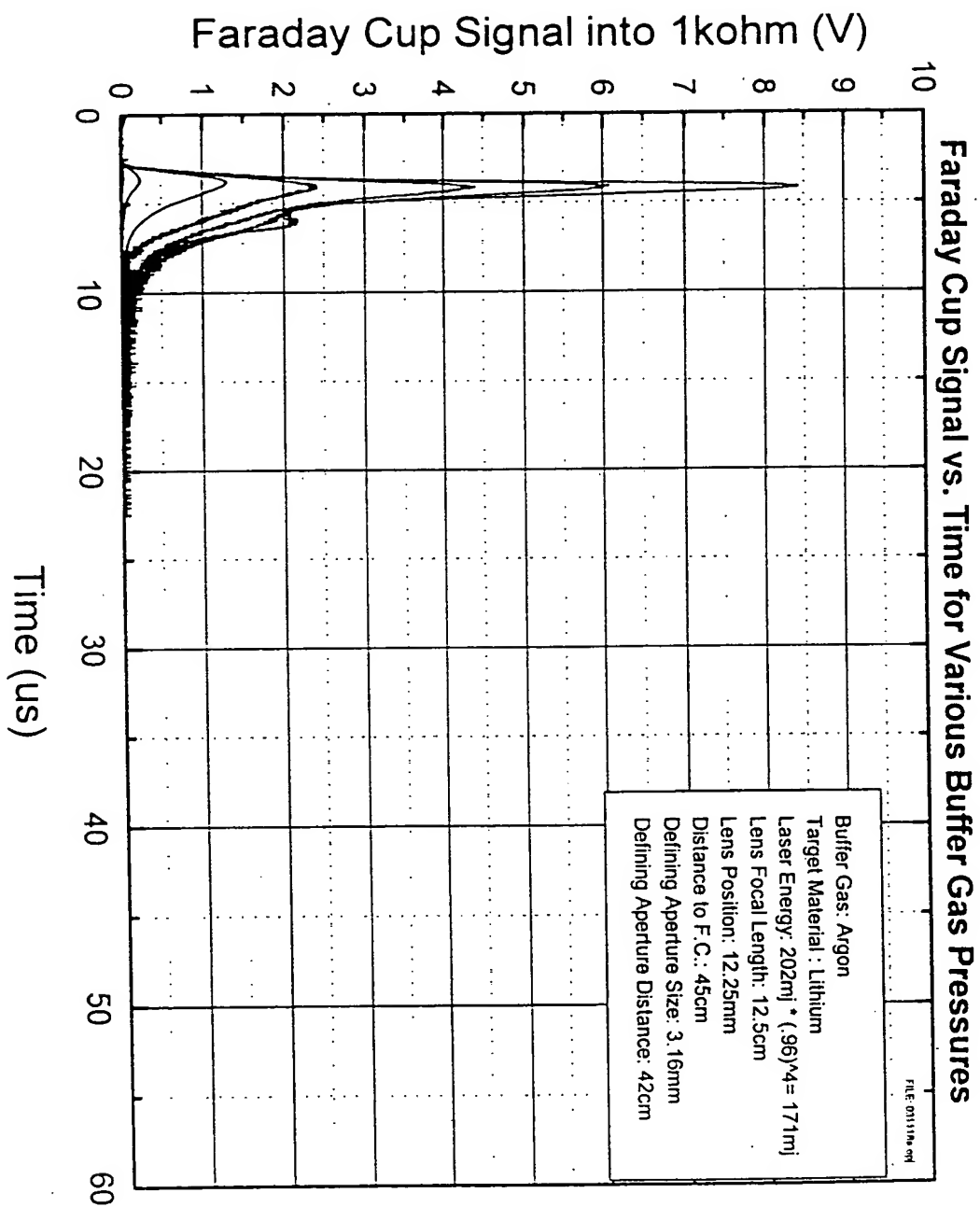


FIG. 22B

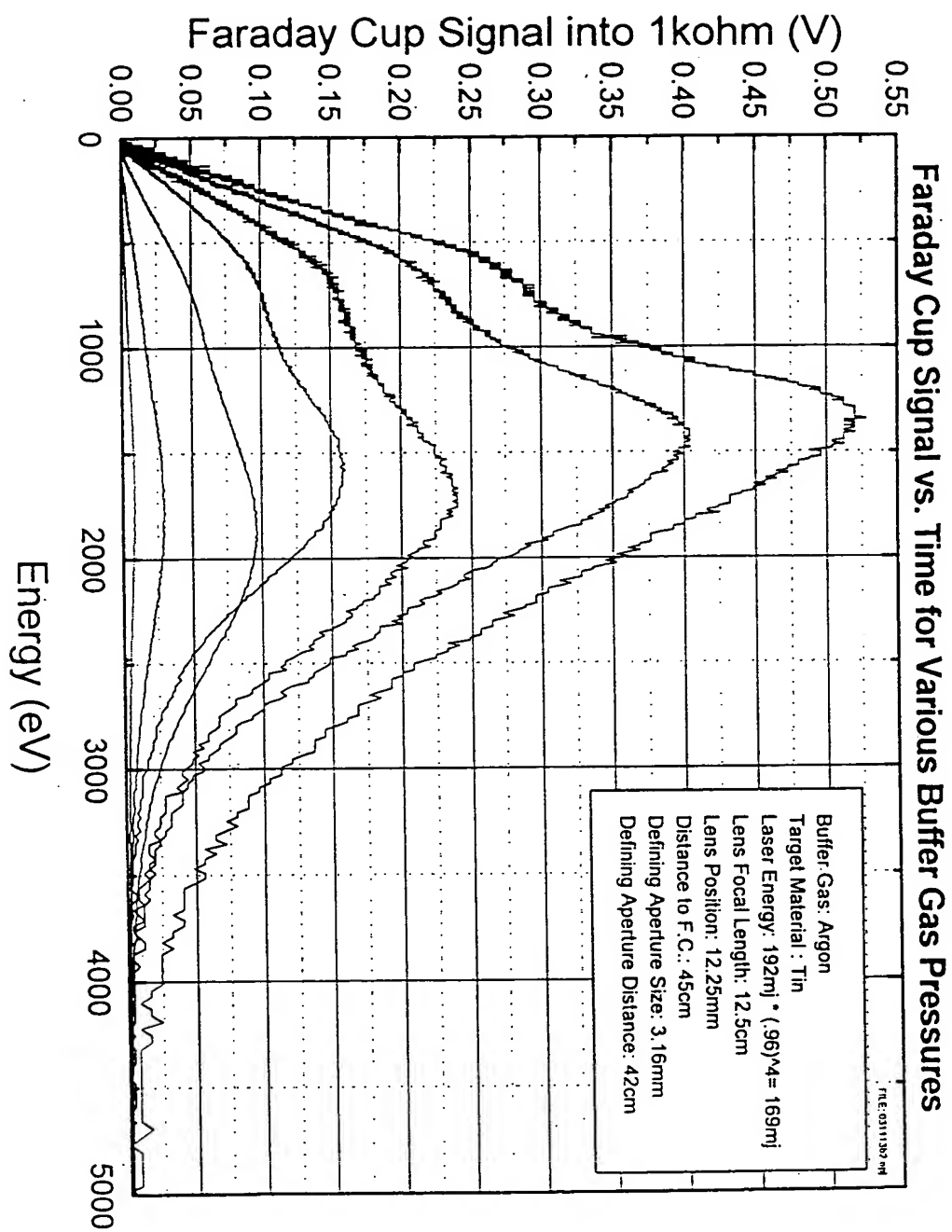


FIG. 22C

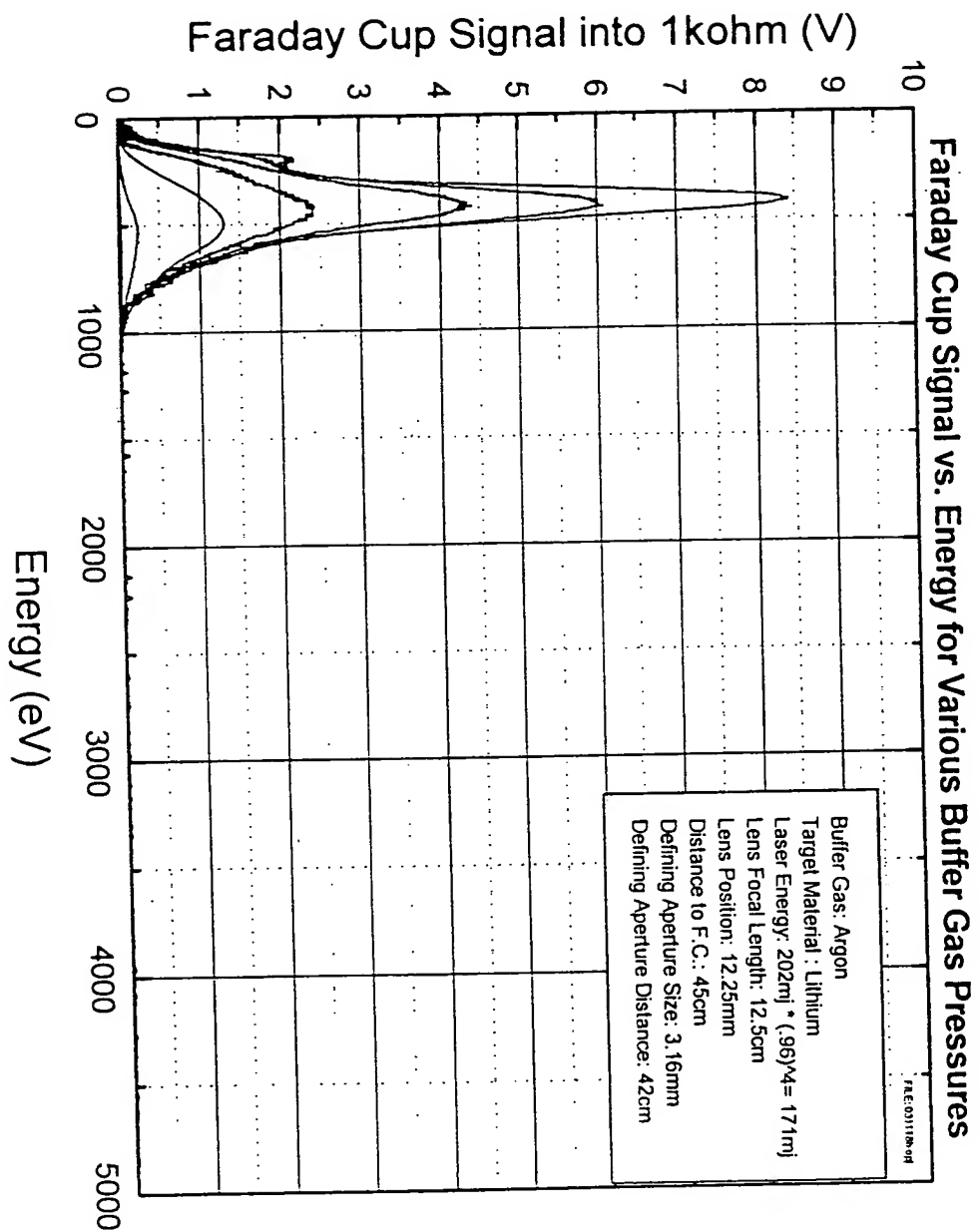


FIG. 22D

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# MEASURED FARADAY CUP SIGNAL VS. P\*D PRODUCT

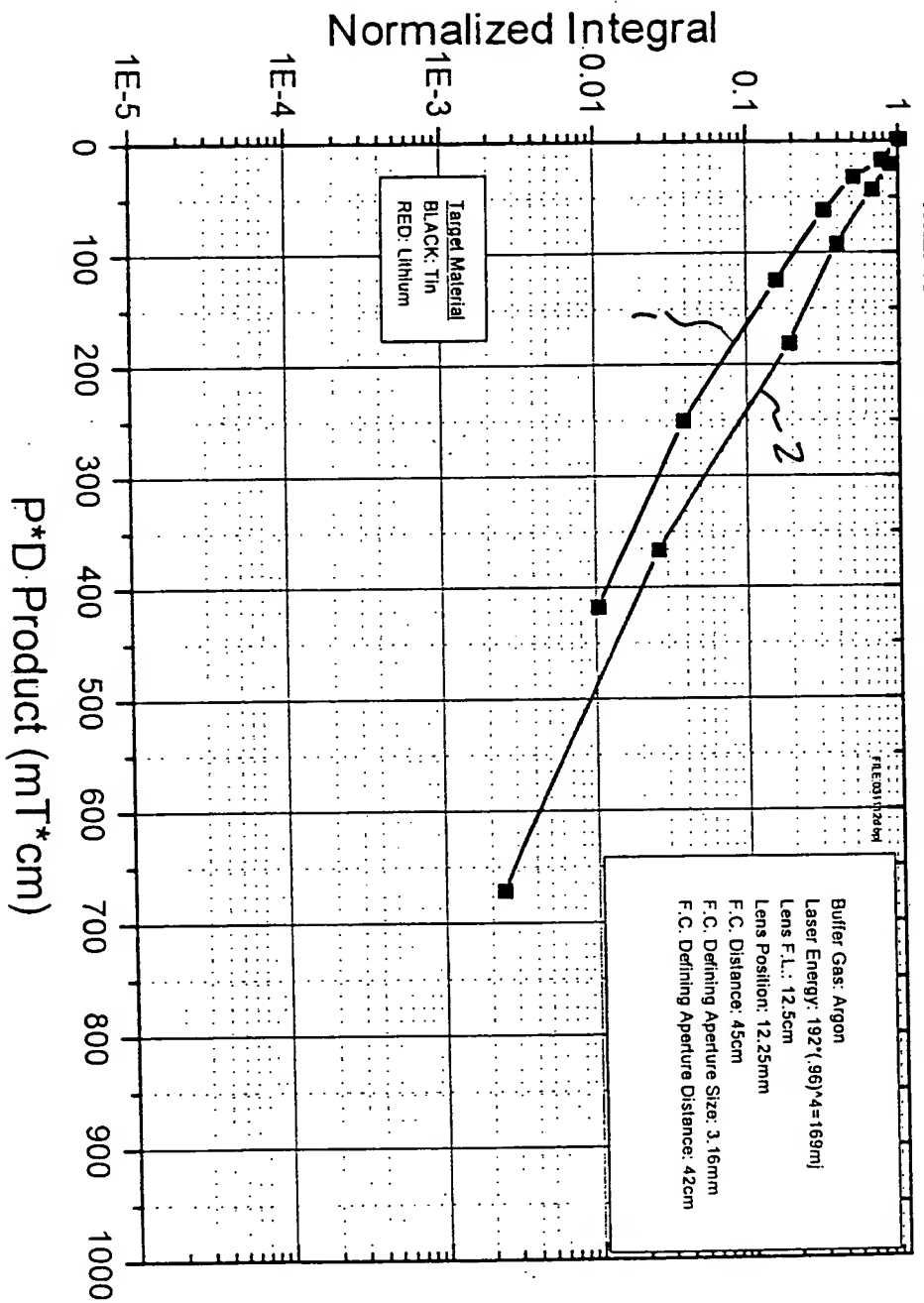


FIG. 22E